

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040423\
 Data File : BG056975.D
 Acq On : 4 Apr 2023 21:41
 Operator : CG/JU
 Sample : 02167-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TW-1

Quant Time: Apr 05 04:11:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 03:23:11 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

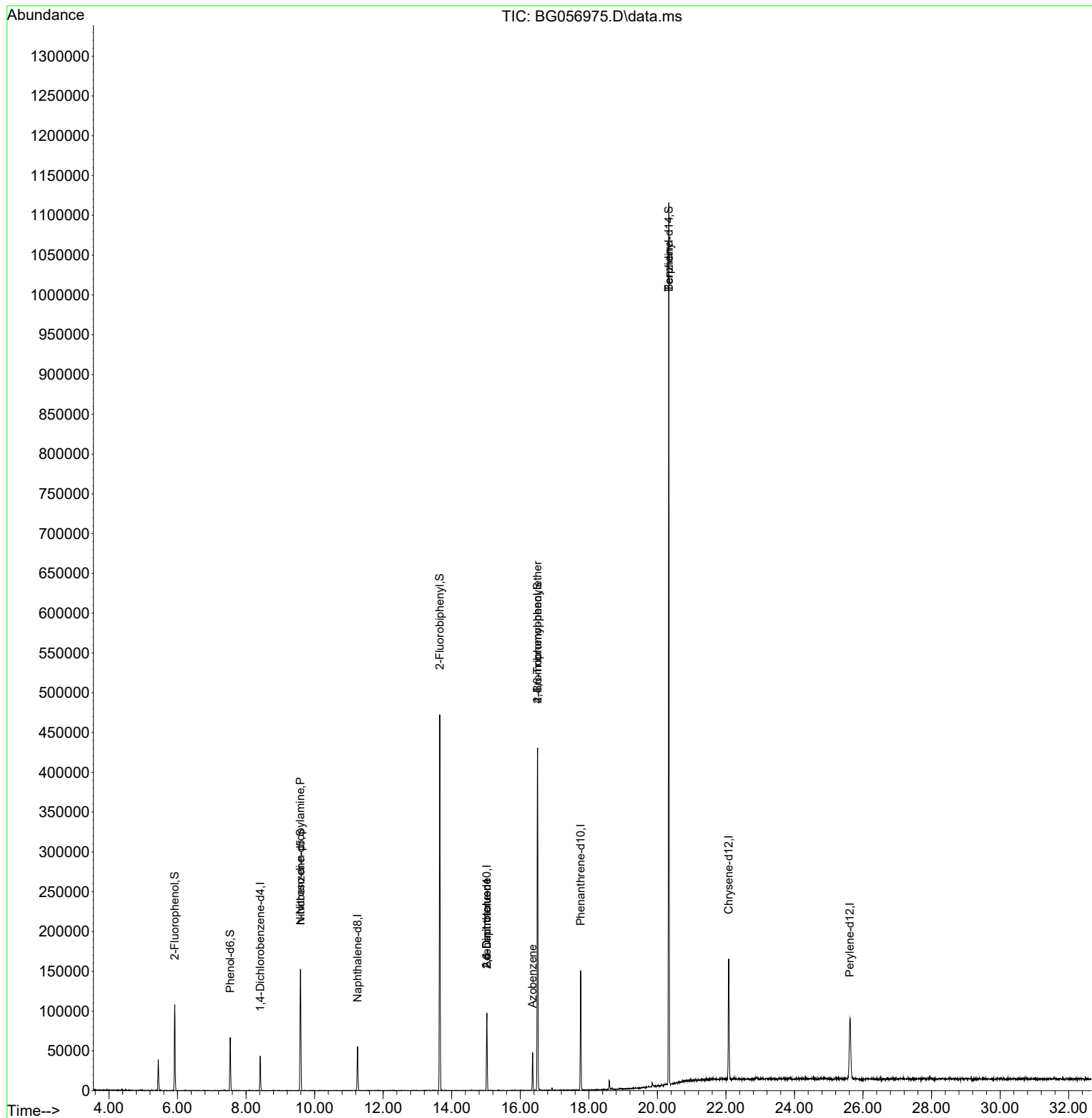
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.410	152	11162	20.000	ng	0.00
21) Naphthalene-d8	11.253	136	44490	20.000	ng	# 0.00
39) Acenaphthene-d10	15.025	164	34509	20.000	ng	0.00
64) Phenanthrene-d10	17.762	188	96117	20.000	ng	-0.01
76) Chrysene-d12	22.080	240	98103	20.000	ng	-0.02
86) Perylene-d12	25.610	264	101285	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.919	112	42656	61.162	ng	0.00
7) Phenol-d6	7.541	99	36732	35.214	ng	0.00
23) Nitrobenzene-d5	9.591	82	97413	89.591	ng	0.00
42) 2,4,6-Tribromophenol	16.505	330	82956	150.475	ng	0.00
45) 2-Fluorobiphenyl	13.650	172	230969	90.758	ng	-0.01
79) Terphenyl-d14	20.335	244	548465	94.604	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.585	70	14224	19.065	ng	# 82
51) 2,6-Dinitrotoluene	15.025	165	4775	8.128	ng	# 18
57) 2,4-Dinitrotoluene	15.025	165	4775	5.763	ng	# 18
63) Azobenzene	16.358	77	14559	5.359	ng	# 1
67) 4-Bromophenyl-phenylether	16.505	248	5265	4.427	ng	# 1
77) Benzidine	20.335	184	10250	3.823	ng	# 91

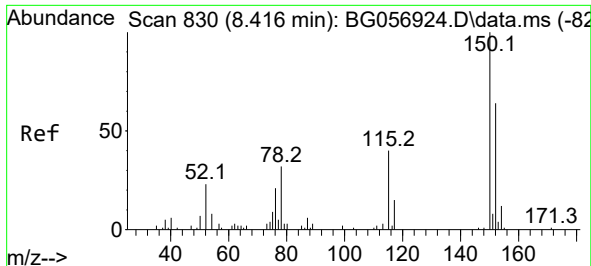
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 31 03:23:11 2023
Response via : Initial Calibration

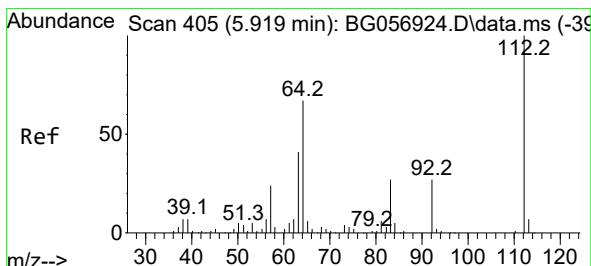
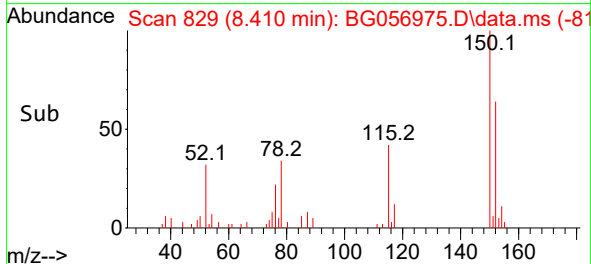
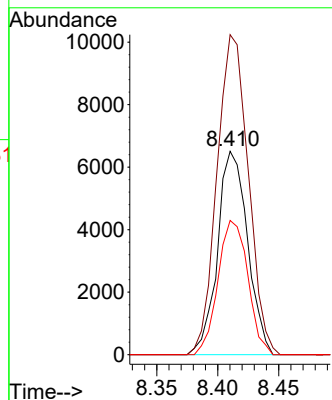
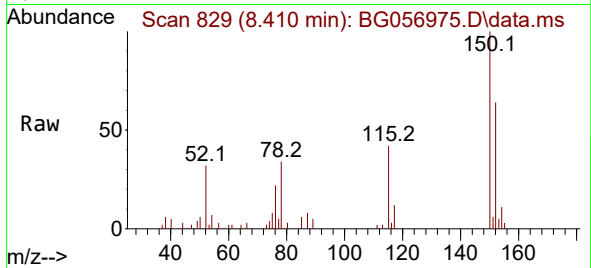




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.410 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG056975.D
Acq: 4 Apr 2023 21:41

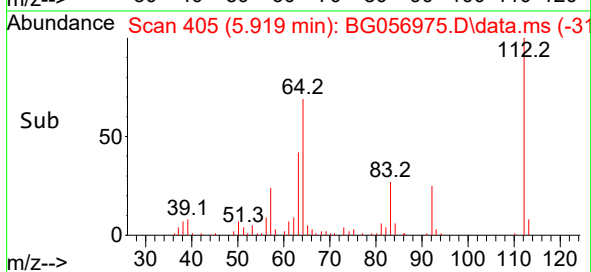
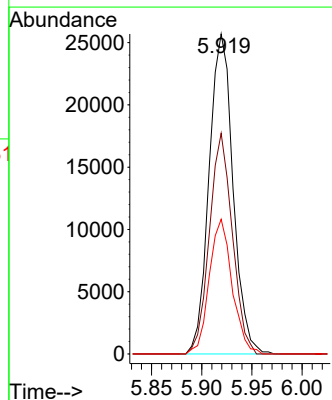
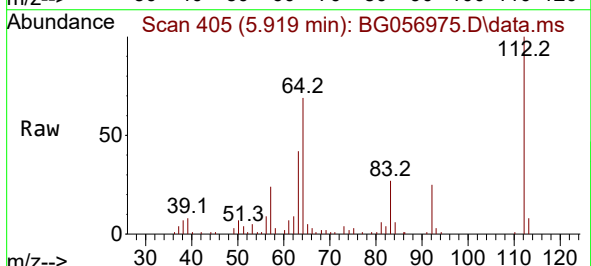
Instrument :
BNA_G
ClientSampleId :
TW-1

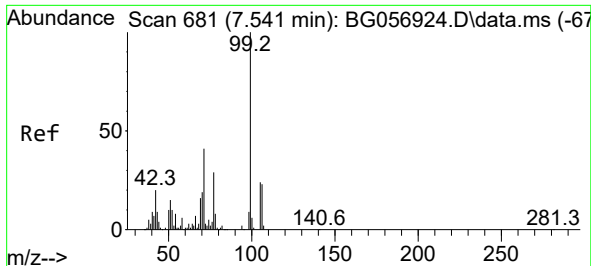
Tgt Ion:152 Resp: 11162
Ion Ratio Lower Upper
152 100
150 157.4 124.1 186.1
115 66.0 49.1 73.7



#5
2-Fluorophenol
Concen: 61.162 ng
RT: 5.919 min Scan# 405
Delta R.T. 0.000 min
Lab File: BG056975.D
Acq: 4 Apr 2023 21:41

Tgt Ion:112 Resp: 42656
Ion Ratio Lower Upper
112 100
64 69.0 53.2 79.8
63 42.1 32.6 48.8

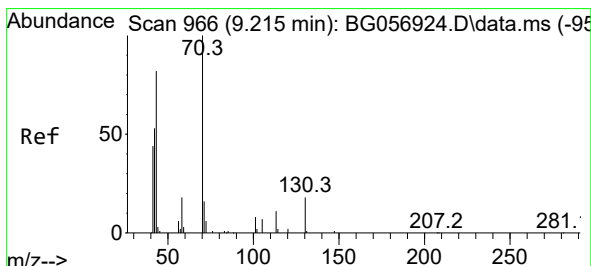
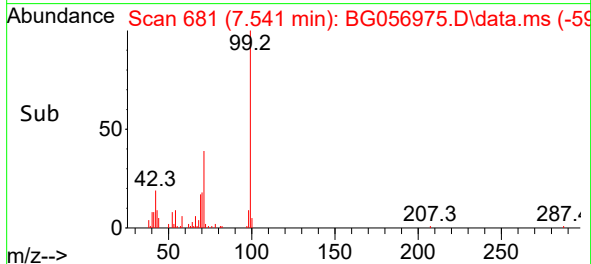
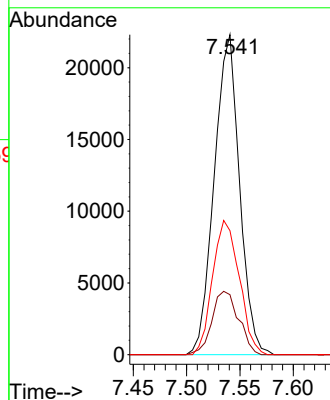
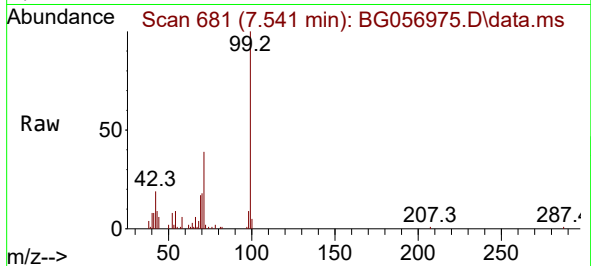




#7
Phenol-d6
Concen: 35.214 ng
RT: 7.541 min Scan# 681
Delta R.T. 0.000 min
Lab File: BG056975.D
Acq: 4 Apr 2023 21:41

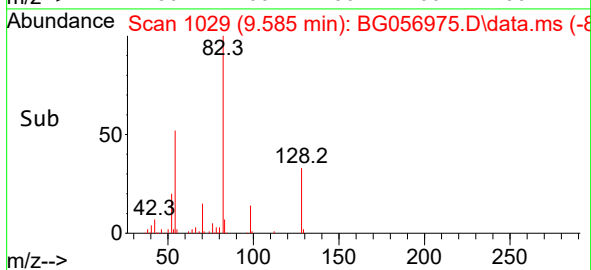
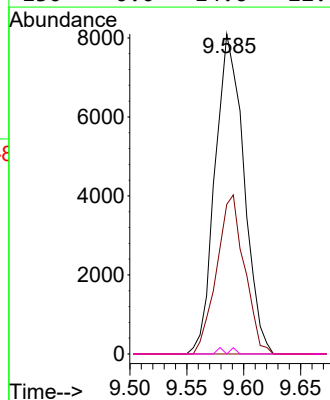
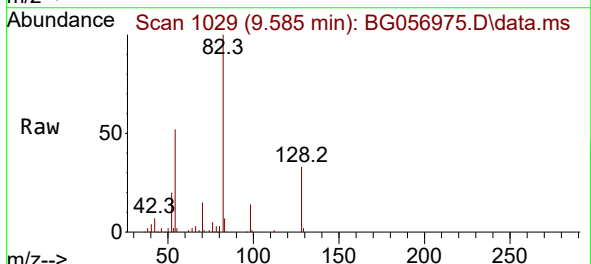
Instrument :
BNA_G
ClientSampleId :
TW-1

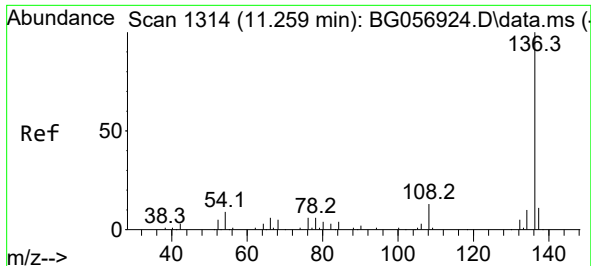
Tgt Ion: 99 Resp: 36732
Ion Ratio Lower Upper
99 100
42 18.7 15.7 23.5
71 38.8 32.5 48.7



#19
n-Nitroso-di-n-propylamine
Concen: 19.065 ng
RT: 9.585 min Scan# 1029
Delta R.T. 0.370 min
Lab File: BG056975.D
Acq: 4 Apr 2023 21:41

Tgt Ion: 70 Resp: 14224
Ion Ratio Lower Upper
70 100
42 46.8 43.4 65.0
101 0.0 6.2 9.2#
130 0.0 14.6 22.0#

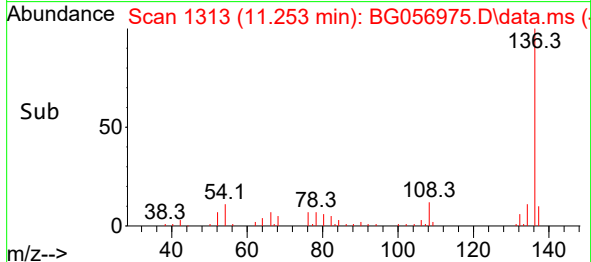
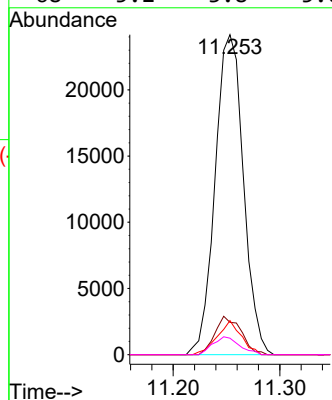
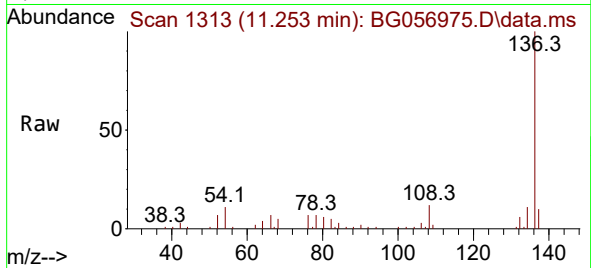




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.253 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG056975.D
Acq: 4 Apr 2023 21:41

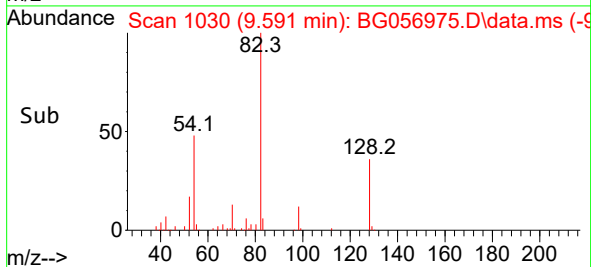
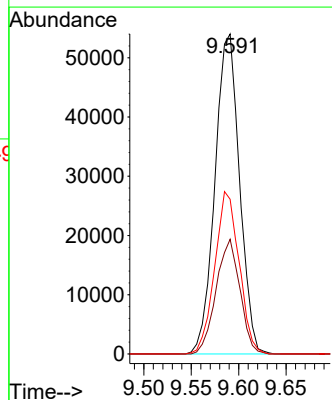
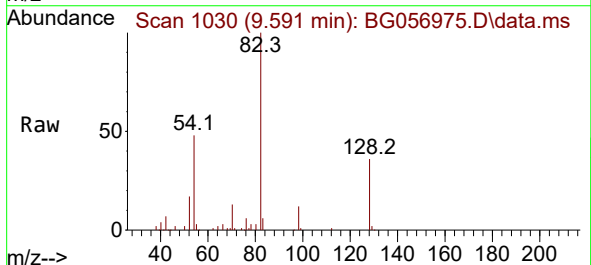
Instrument :
BNA_G
ClientSampleId :
TW-1

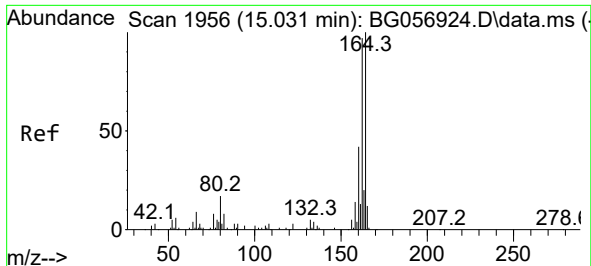
Tgt Ion:136 Resp: 44490
Ion Ratio Lower Upper
136 100
137 10.1 8.6 13.0
54 10.6 6.9 10.3#
68 5.2 3.8 5.6



#23
Nitrobenzene-d5
Concen: 89.591 ng
RT: 9.591 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BG056975.D
Acq: 4 Apr 2023 21:41

Tgt Ion: 82 Resp: 97413
Ion Ratio Lower Upper
82 100
128 35.9 27.9 41.9
54 48.4 39.4 59.2

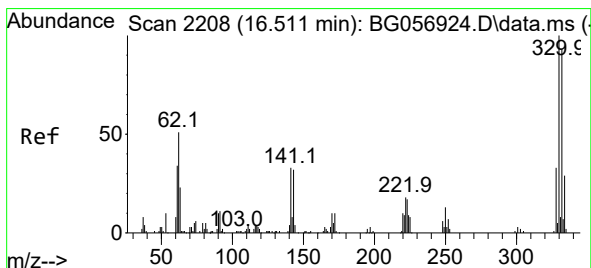
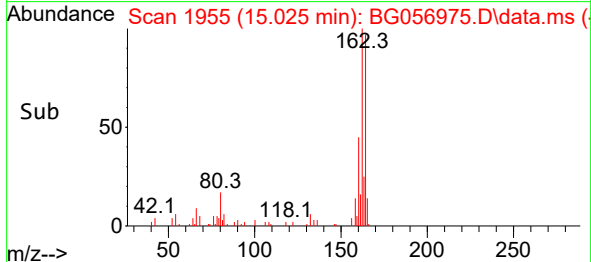
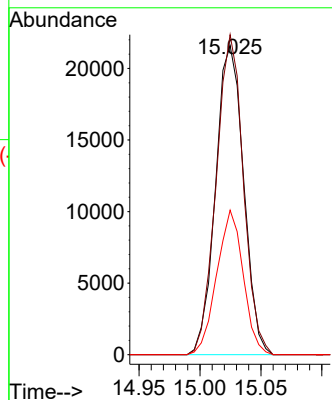
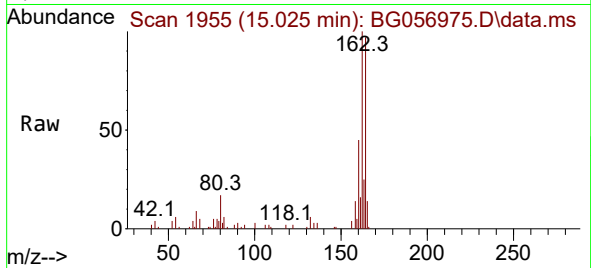




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.025 min Scan# 1955
Delta R.T. -0.006 min
Lab File: BG056975.D
Acq: 4 Apr 2023 21:41

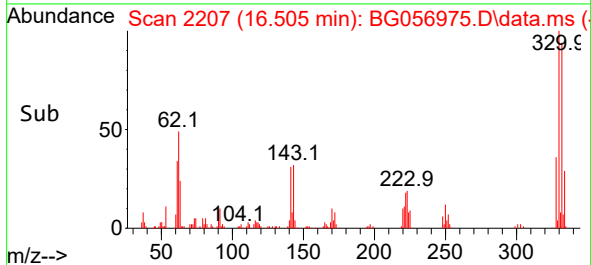
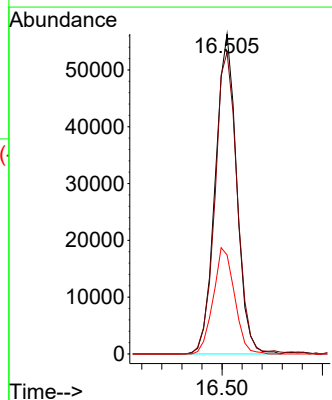
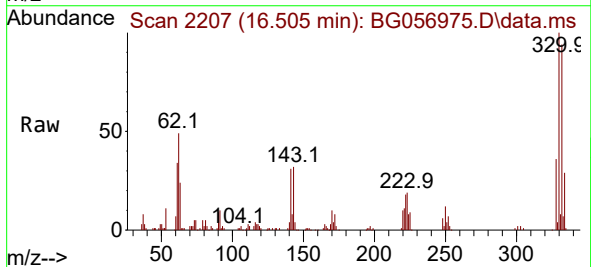
Instrument :
BNA_G
ClientSampleId :
TW-1

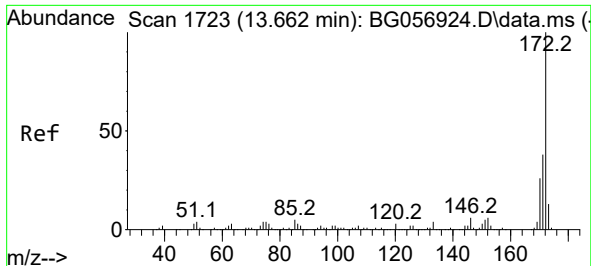
Tgt Ion:164 Resp: 34509
Ion Ratio Lower Upper
164 100
162 103.5 77.8 116.8
160 46.7 33.5 50.3



#42
2,4,6-Tribromophenol
Concen: 150.475 ng
RT: 16.505 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BG056975.D
Acq: 4 Apr 2023 21:41

Tgt Ion:330 Resp: 82956
Ion Ratio Lower Upper
330 100
332 98.3 76.1 114.1
141 33.1 25.8 38.6

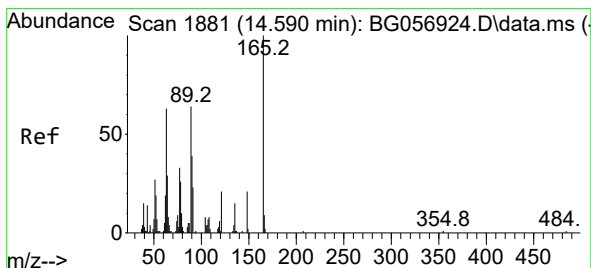
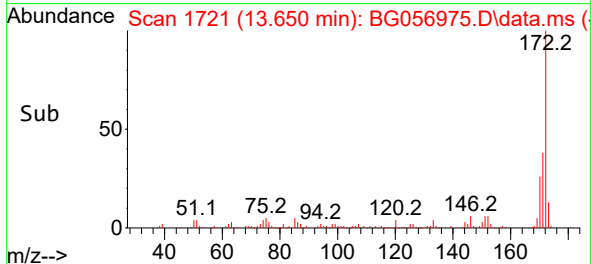
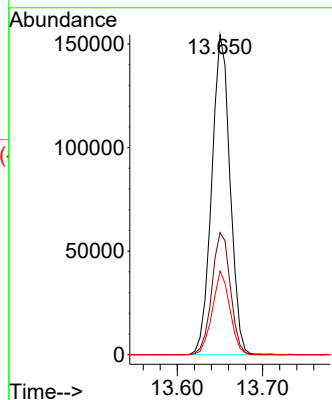
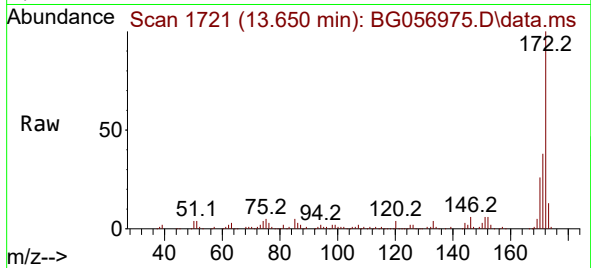




#45
2-Fluorobiphenyl
Concen: 90.758 ng
RT: 13.650 min Scan# 1
Delta R.T. -0.012 min
Lab File: BG056975.D
Acq: 4 Apr 2023 21:41

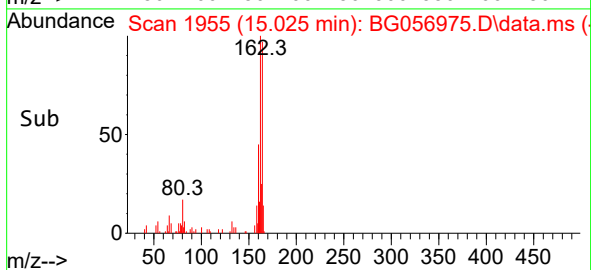
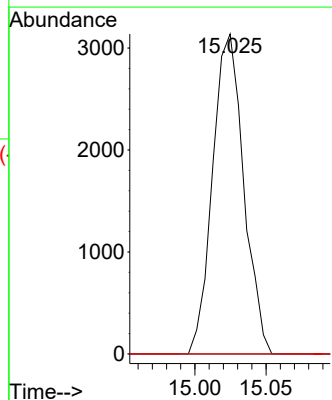
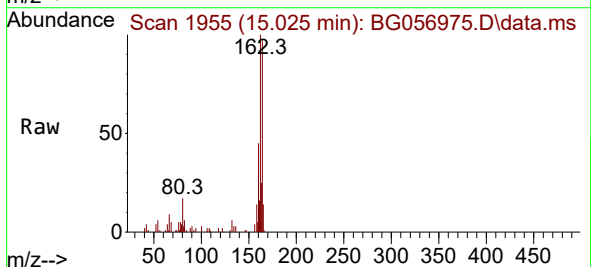
Instrument :
BNA_G
ClientSampleId :
TW-1

Tgt Ion:172 Resp: 230969
Ion Ratio Lower Upper
172 100
171 38.2 30.6 46.0
170 26.1 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 8.128 ng
RT: 15.025 min Scan# 1955
Delta R.T. 0.435 min
Lab File: BG056975.D
Acq: 4 Apr 2023 21:41

Tgt Ion:165 Resp: 4775
Ion Ratio Lower Upper
165 100
63 0.0 53.0 79.6#
89 0.0 51.0 76.4#





#57

2,4-Dinitrotoluene

Concen: 5.763 ng

RT: 15.025 min Scan# 1955

Delta R.T. -0.352 min

Lab File: BG056975.D

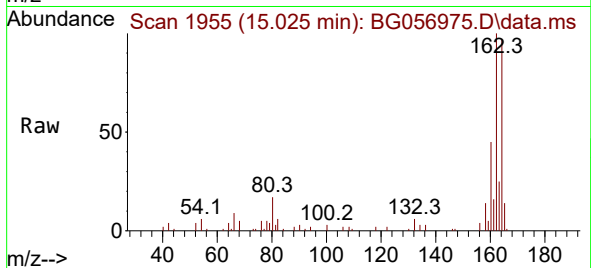
Acq: 4 Apr 2023 21:41

Instrument :

BNA_G

ClientSampleId :

TW-1



Tgt Ion:165 Resp: 4775

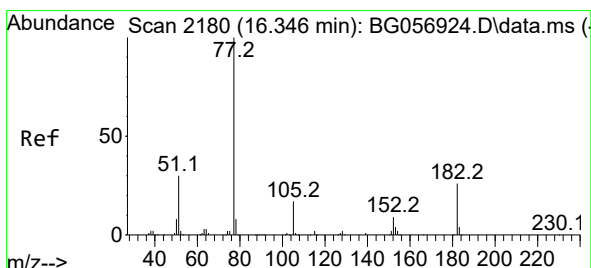
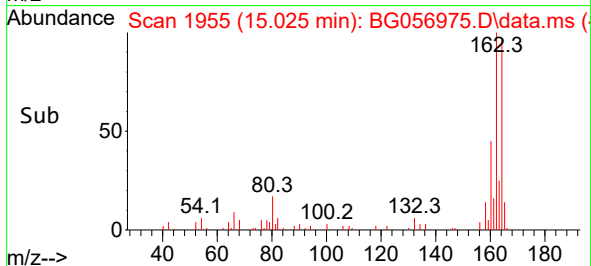
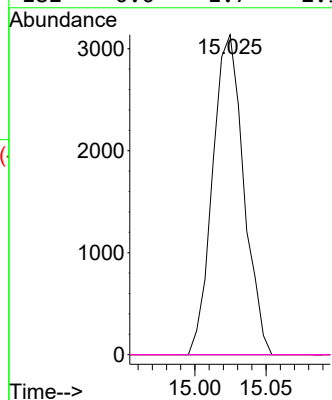
Ion Ratio Lower Upper

165 100

63 0.0 37.7 56.5#

89 0.0 63.2 94.8#

182 0.0 1.7 2.5#



#63

Azobenzene

Concen: 5.359 ng

RT: 16.358 min Scan# 2182

Delta R.T. 0.012 min

Lab File: BG056975.D

Acq: 4 Apr 2023 21:41

Tgt Ion: 77 Resp: 14559

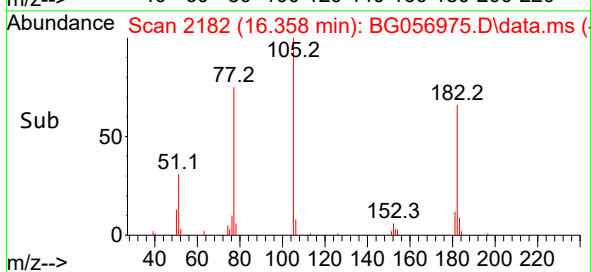
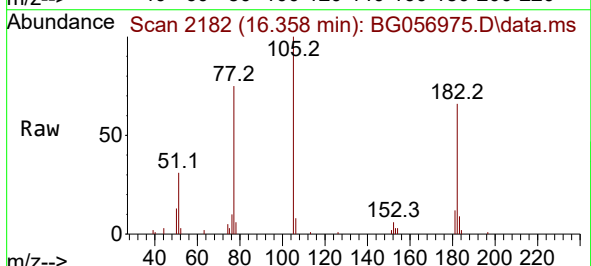
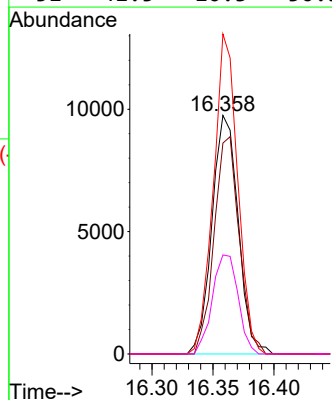
Ion Ratio Lower Upper

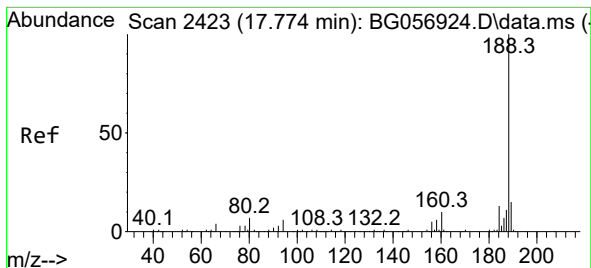
77 100

182 88.4 5.9 45.9#

105 134.2 0.0 36.8#

51 41.5 10.3 50.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.762 min Scan# 24

Delta R.T. -0.012 min

Lab File: BG056975.D

Acq: 4 Apr 2023 21:41

Instrument :

BNA_G

ClientSampleId :

TW-1

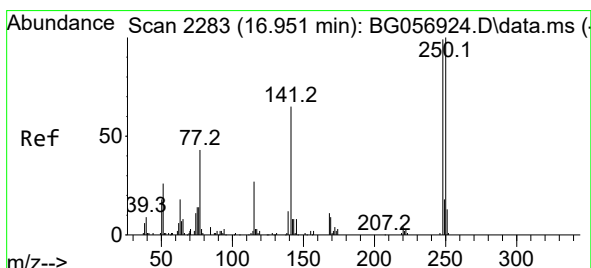
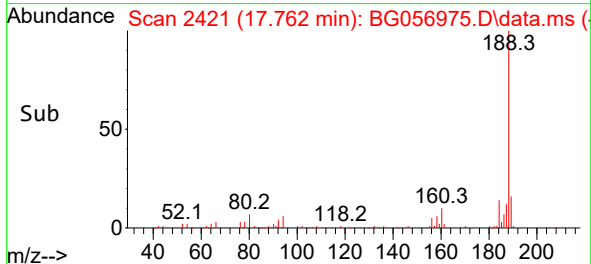
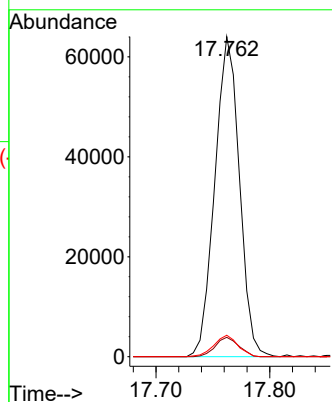
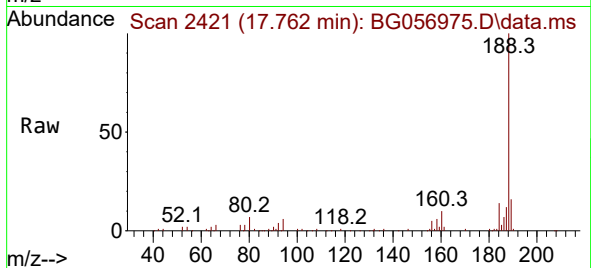
Tgt Ion:188 Resp: 96117

Ion Ratio Lower Upper

188 100

94 6.1 4.6 6.8

80 6.7 5.5 8.3



#67

4-Bromophenyl-phenylether

Concen: 4.427 ng

RT: 16.505 min Scan# 2207

Delta R.T. -0.446 min

Lab File: BG056975.D

Acq: 4 Apr 2023 21:41

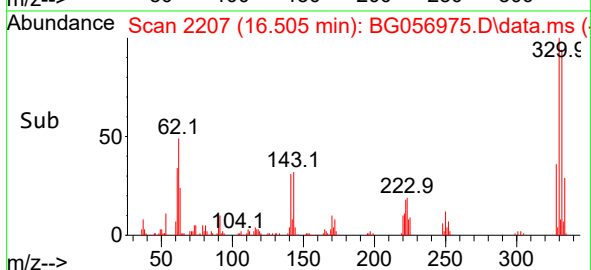
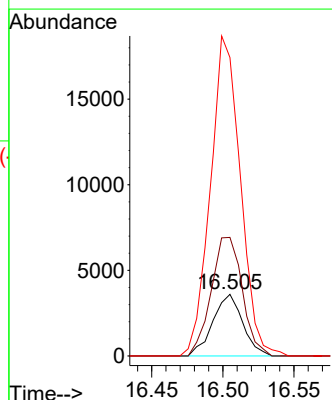
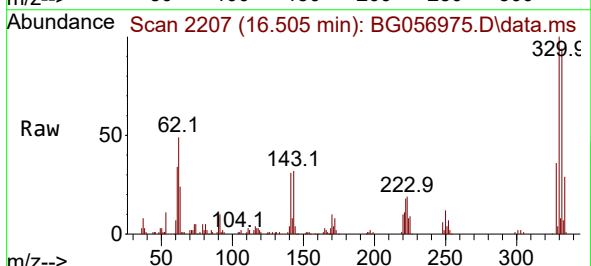
Tgt Ion:248 Resp: 5265

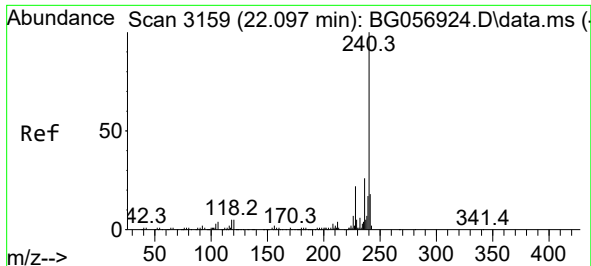
Ion Ratio Lower Upper

248 100

250 192.5 80.5 120.7#

141 484.2 52.0 78.0#

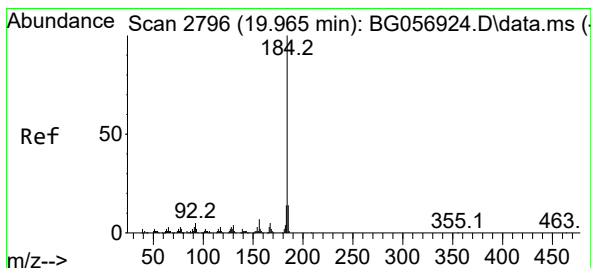
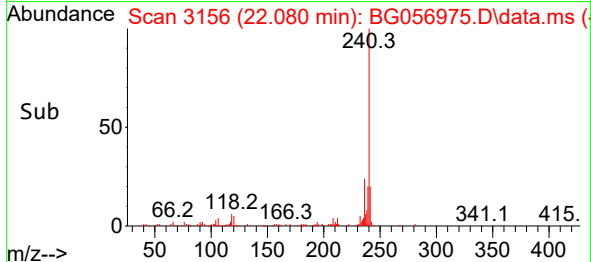
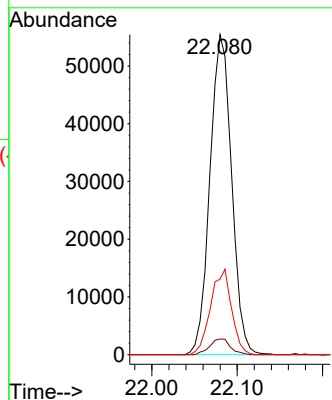
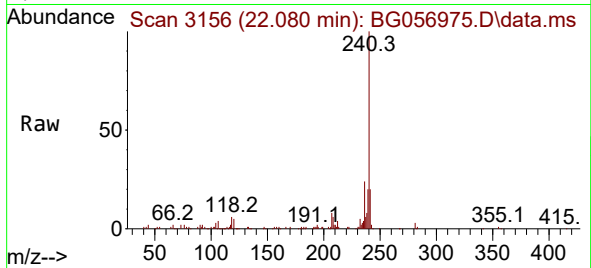




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.080 min Scan# 3159
Delta R.T. -0.018 min
Lab File: BG056975.D
Acq: 4 Apr 2023 21:41

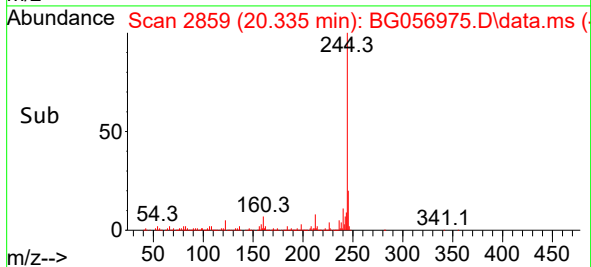
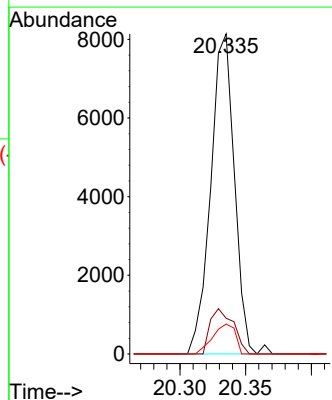
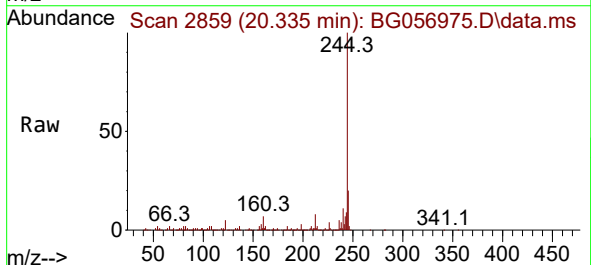
Instrument :
BNA_G
ClientSampleId :
TW-1

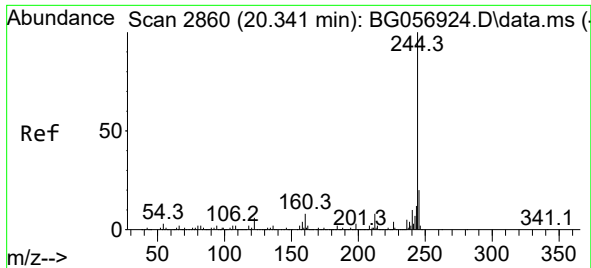
Tgt Ion:240 Resp: 98103
Ion Ratio Lower Upper
240 100
120 4.9 3.8 5.6
236 23.6 21.0 31.6



#77
Benzidine
Concen: 3.823 ng
RT: 20.335 min Scan# 2859
Delta R.T. 0.370 min
Lab File: BG056975.D
Acq: 4 Apr 2023 21:41

Tgt Ion:184 Resp: 10250
Ion Ratio Lower Upper
184 100
185 11.2 11.0 16.4
183 9.3 11.4 17.0#

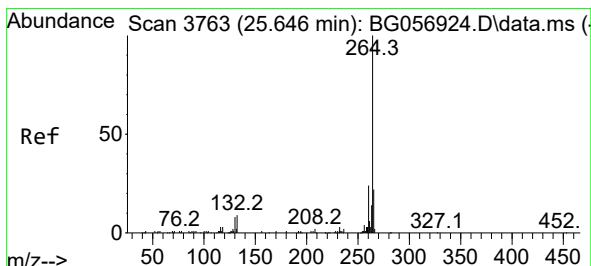
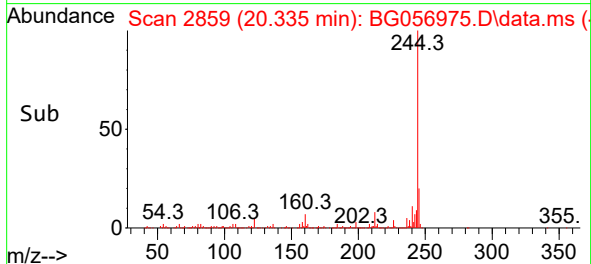
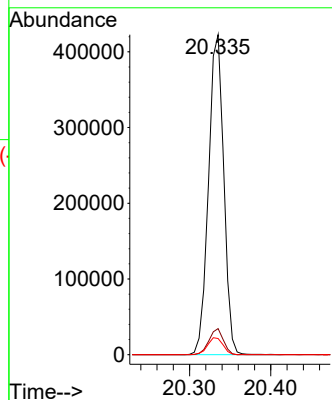
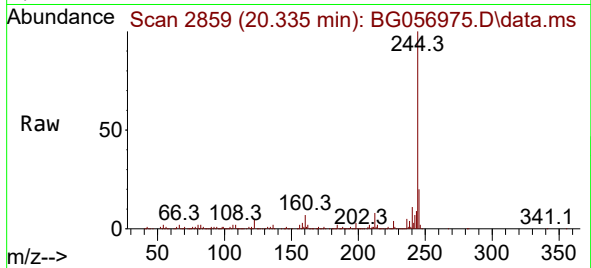




#79
 Terphenyl-d14
 Concen: 94.604 ng
 RT: 20.335 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG056975.D
 Acq: 4 Apr 2023 21:41

Instrument :
 BNA_G
 ClientSampleId :
 TW-1

Tgt Ion:244 Resp: 548465
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.1 9.1
 122 5.1 5.0 7.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.610 min Scan# 3757
 Delta R.T. -0.035 min
 Lab File: BG056975.D
 Acq: 4 Apr 2023 21:41

Tgt Ion:264 Resp: 101285
 Ion Ratio Lower Upper
 264 100
 260 20.8 19.0 28.4
 265 19.1 17.8 26.6

